

Claims

1. Dental restoration comprising one or more opaque layers covered by one or more other porcelain layers, the opaque layers being situated closer to the core than the other porcelain layers, wherein at least one of the opaque layers contains a fluorescent material, and wherein the one or more other porcelain layers are predominantly transparent and opalescent.
2. The dental restoration of claim 1, wherein the other porcelain layers comprise at least one incisal layer, at least one dentin layer, and optionally at least one opaque/dentin layer.
3. The dental restoration of claim 2, wherein between the incisal layer and the dentin layer and/or between the dentin layer and the opaque/dentin layer a modifier containing fluorescent material is present.
4. Method of layering porcelain on a structure of metal or ceramic comprising the steps of applying a first layer or first layers of an opaque liner material containing a fluorescent material and in a subsequent step applying one or more layers of a translucent, opalescent material.
5. The method of claim 4, wherein at least 2 wt. % of a fluorescent material is present in the liner material, drawn to the total weight of the liner material.
6. The method of claim 5, wherein the fluorescent material comprises and preferably consists of yttriumoxide.
7. The method of claim 4, wherein the translucent, opalescent material contains less than 0.05 wt. % fluorescent material.
8. The method of claim 4, wherein at least 10% of an opal glass frit is used as the translucent, opalescent material.
9. The method of claim 4, wherein the translucent, opalescent material has a translucency of more than 30%.

10. The method of claim 4, wherein transparent porcelain layers are applied which consist of 10-100 wt. % opal glass frit with the following composition in wt. %: 45-70 %SiO₂, 0-20 %Al₂O₃, 0-20 %K₂O, 0-15 %Na₂O, 0-5 %CaO, 0-3 %MgO, 0-4 %CeO₂, 0-4 %Tb₂O₃, 1-10 %P₂O₅, 0-1 %CaF₂, 0-2 %Li₂O, and 0-5% Sb₂O₃.

11. The method of claim 4, wherein transparent porcelain layers are applied which consist of 10-100 wt. % opal glass frit with the following composition in wt. %: 45-70 %SiO₂, 0-20 %Al₂O₃, 0-20 %K₂O, 0-15 %Na₂O, 0-5 %CaO, 0-3 %MgO, 0-4 %CeO₂, 0-4 %Tb₂O₃, 0-2 %P₂O₅, 5-15 %CaF₂, 0-2 %Li₂O, and 0-5% Sb₂O₃.